New Tools and Approaches for Monitoring and Analyzing Internal and External Clinical Laboratory Performance

Ilira Shtepani, Kit Johnson, Norman Neumann

IQLMC 2005, i.shtepani@provlab.ab.ca

Provincial Laboratory for Public Health, Calgary and Edmonton, Alberta, Canada

Occurrence Management Process in the ProvLab

Context

The Process of Occurrence Management scheme is an important quality assurance tool for the validation of analytical measurements and is fundamental as part of an overall quality strategy in specialized laboratories for public health diagnostic testing.

Objective

Develop new approaches and real-time tools for monitoring and analyzing the Occurrence Management process in order to assess the laboratory performance at various organizational levels.

Methods

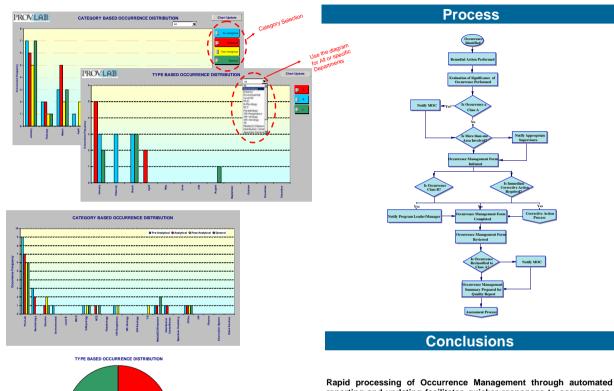
The process of Occurrence Management is reviewed along with its importance in planning, evaluation and improvement of laboratory performance.

In addition to the process description, the interaction and coordination among programs is discussed.

Based on occurrence management data, a new approach to processing, analyzing, monitoring and reporting the laboratory data using an in-house developed software is presented along with the advantages for quality management and overall efficiency in maintaining and tracking this quality indicator with less cost and turnaround time.

Results

The software links the process among all areas, automatically updates the current status of laboratory data with deadline reminders, and facilitates a quicker response to deficiencies with electronic notification for peer review. The software features additional statistical and graphical tools for data analysis and generation of custom-made reports.



Rapid processing of Occurrence Management through automated reporting and updating facilitates quicker responses to occurrences, and is useful for real-time tracking of overall laboratory performance

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